

L Number	Hits	Search Text	DB	Time stamp
23	1594	(print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 10:50
24	495	((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 10:53
25	239	((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:05
26	17	((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 10:53

27	222	<p>(((print\$4 or record\$4) and (non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4)))</p>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:05
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28	119	((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4)))) and ((single or one) near3 (scan\$4 or pass\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:05
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29	107	((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4)))) and ((single or one) near3 (scan\$4 or pass\$4))) and 347/\$.ccls..	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:06
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30	16	(((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not ((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4)))) and ((single or one) near3 (scan\$4 or pass\$4))) and 347/\$.ccls.) and 347/40.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:08
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31	15	<p> (((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4))))) and ((single or one) near3 (scan\$4 or pass\$4))) and 347/\$.ccls.) not (((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and </p>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:12
Search History	10	20/04/11:18:30 AM Page 6 (((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and		

32	41	<p> (((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4))))) and ((single or one) near3 (scan\$4 or pass\$4))) and 347/\$.ccls.) not (((((((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and </p>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:16
Search History	10	<p> (((((((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and </p>		

33	12	<p> ((((print\$4 or record\$4) and (non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and (non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and (substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and (substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1) same (adjcent or neighbor\$4))))) and ((single or one) near3 (scan\$4 or pass\$4))) not ((((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) and (substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1)) and (((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1) same ((substitut\$4 or complement\$4 or work\$4 or normal or neighbor\$4 or fuction\$4 or good or replac\$6 or supplement\$4) near3 nozzle\$1))) not (((((print\$4 or record\$4) and ((non-function\$4 or undischarg\$4 or non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or </p>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 11:17
Search History	10/20/04 11:18:19 AM Page 8	non-discharg\$4 or abnormal or non-eject\$4 or malfunction\$4 or non-work\$4 or defect\$4 or failure) near3 nozzle\$1)) and ((non-function\$4 or undischarg\$4 or		